

**INTERFACE BUS OPTIMIZATION FOR OVERLAPPING WRITE DATA****Abstract of the Disclosure**

Embodiments of the present invention are devices with a queue for receiving a plurality  
5 of data write requests and having a means for comparing the data write requests in the queue  
and then requesting only data identified by the data write requests that would not be  
overwritten by any later received data write requests in the queue. By requesting only the data  
that is not overwritten by subsequent data write requests, the data actually transferred over the  
bus is minimized given the current queue of data write requests. One aspect of the present  
10 invention includes a method of requesting data from a host over a data bus.